PATENT ABSTRACTS OF JAPAN

(11)Publication number:

2000-096176

(43)Date of publication of application: 04.04.2000

(51)Int.Cl.

C22C 21/02 B22F 9/08 C22C 1/04 C22F 1/043 // C22F 1/00

(21)Application number: 10-288908

(71)Applicant: SUMITOMO ELECTRIC IND LTD

(22)Date of filing:

24.09.1998

(72)Inventor: HASHIKURA MANABU

HATTORI HISAO KAJI TOSHIHIKO

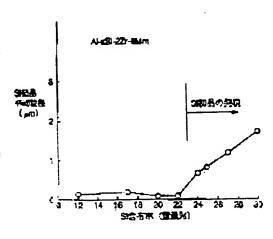
TAKEDA YOSHINOBU

(54) ALUMINUM ALLOY AND ITS PRODUCTION

(57) Abstract:

PROBLEM TO BE SOLVED: To provide an aluminum alloy excellent in toughness without deteriorating strength and wear resistance.

SOLUTION: The content of silicon in the aluminum alloy is 17 to 23 wt.%, and the average grain size of silicon crystals is $\leq 1~\mu m$. The content of zirconium is to 7wt.%. Further, the total content of at least one kind among yttrium, lanthagum, cerium, samarium, neodymium, and misch metal is 5 to 20 wt.%, and the balance is composed of aluminum with inevitable impurities.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of

rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office